

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows. This listing of claims replaces all previous listings of claims presented in this application.

1. (Currently Amended) An A-multimedia-authoring system for authoring a presentation of temporal media and nontemporal media, comprising:

a graphical user interface for enabling a user to interactively author the ~~the~~ [[a]] presentation using a timeline comprising one or more ~~first~~ tracks for temporal media and ~~one or more second tracks~~ for nontemporal media;

data, and for specifying a layout specification defining a spatial relationship among the temporal and nontemporal media in a display area, wherein the data ~~layout specification~~ indicates, for each track ~~of the temporal media~~ of the one or more ~~first tracks and one or more second tracks~~ and for the nontemporal media a portion of the display area in which media from the track will be displayed and a portion of the display area in which the nontemporal media will be displayed;

wherein the graphical user interface also enables the user to modify the data defining the spatial relationship; and

a viewer having access to the timeline and the data defining the spatial relationship, ~~layout specification~~ and having an output providing display information for displaying the temporal media and the nontemporal media combined according to the timeline and the spatial relationship ~~layout specification~~, for each of one or more specified times along the timeline, ~~;~~ and

~~an encoder having access to the timeline and the layout specification and having an output for providing a streaming media presentation containing the temporal media and events associated with references to the nontemporal media combined according to the timeline and the layout specification.~~

2-8. Cancelled.

9. (Currently Amended) A system for authoring a multimedia presentation of temporal media and nontemporal media, comprising:

a timeline comprising one or more ~~first~~ tracks enabling a user to specify a sequence of temporal media and ~~one or more second tracks~~ enabling a user to specify nontemporal media in a temporal relationship with the temporal media;

~~data means for enabling a user to specify a layout specification~~ defining a spatial relationship among the temporal and nontemporal media in a display area, wherein the ~~data layout specification~~ indicates, for each track and for the nontemporal media ~~of at least one of the one or more first tracks and at least one of the one or more second tracks~~, a portion of the display area in which temporal media from the track will be displayed and a portion of the display area in which the nontemporal media will be displayed;

an interface enabling the user to modify the data defining the spatial relationship;
and

an output through which the temporal media are presented, and in which at least the nontemporal media are presented with ~~[[a]]~~ the defined spatial relationship with the temporal media ~~as specified by the layout specification~~ and with a temporal relationship with the temporal media as specified by the timeline, for each of one or more specified times along the timeline.

10. Cancelled.

11. (Previously Presented) The system of claim 9, further comprising a time bar associated with the timeline and manipulable by a user to specify the one or more specified times.

12. (Currently Amended) A system for authoring a multimedia presentation of temporal media and nontemporal media, comprising:

a timeline comprising one or more ~~first~~ tracks enabling a user to specify a sequence of temporal media and ~~one or more second tracks~~ enabling a user to specify nontemporal media in a temporal relationship with the temporal media;

~~data defining an interface enabling a user to specify~~ a spatial relationship among the temporal media and the nontemporal media in a display area including an indication for each track in the timeline ~~and for the nontemporal media~~ a portion of the display area in which ~~temporal~~ media from the track will be displayed ~~and a portion of the display area in which nontemporal media will be displayed;~~

~~an interface enabling the user to modify the data defining the spatial relationship;~~
and

one or more outputs through which the temporal media are presented, and in which at least the nontemporal media are presented in the specified spatial relationship with the temporal media and with the temporal relationship with the temporal media as specified by the timeline, for each of one or more specified times along the timeline.

13. Cancelled.

14. (Previously Presented) The system of claim 12, further comprising a time bar associated with the timeline and manipulable by a user to specify the one or more specified times.

15-24. Cancelled.

25. (Currently Amended) A computer program product, comprising:

a computer readable medium;

computer program instructions stored on the computer readable medium that, when processed by a computer, instruct the computer to implement a user interface for a system for authoring a ~~multimedia~~ presentation of temporal media and nontemporal media, wherein the user interface comprises:

a timeline comprising one or more ~~first~~ tracks enabling a user to specify a sequence of temporal media and ~~one or more second~~ tracks enabling a user to specify nontemporal media in a temporal relationship with the temporal media;

a display area through which a visual portion of the ~~multimedia~~ presentation is displayed;

data defining an interface enabling a user to specify a spatial relationship among the temporal media and the nontemporal media in the display area, including an indication, for each track in the timeline for which media data is displayed in the display area, of a portion of the display area in which temporal media from the track will be displayed and a portion of the display area in which nontemporal media will be displayed;

an interface enabling the user to modify the data defining the spatial relationship; and

whereby the nontemporal media are presented in the specified spatial relationship with the temporal media and in the specified temporal relationship with the temporal media as specified by the timeline.

26. (Currently Amended) The computer program product of claim 25, wherein the user interface further comprises a time bar associated with the timeline and manipulable by the user to specify one or more times in the presentation, and wherein a portion of the ~~multimedia~~ presentation is presented according to the one or more specified times in the presentation.
27. Cancelled.
28. (Currently Amended) The computer program product of claim 25, wherein the spatial relationship among temporal media and nontemporal media is defined by a layout specification in which the display area is divided into a plurality of frames and each frame of the plurality of frames is assigned to one of nontemporal media and one of the first or second tracks of the timeline.
29. (Currently Amended) The computer program product of claim 28, wherein the layout specification is further defined by a document in a markup language that defines a set of frames in a display area, and wherein a definition of each frame in the set of frames includes an indication of a track of the timeline or nontemporal media to which the frame is assigned.

30. (Currently Amended) The computer program product of claim 29, wherein the document in the markup language further includes additional nontemporal media that is displayed as part of the multimedia presentation.